



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 95,1408-JJJ)

PATENT

In the Application of:

Mian et al.

Serial No.: 09/989,582

Filing Date: November 20, 2001

For: Devices and Methods for Using  
Centripetal Acceleration to Drive Fluid  
Movement in a Microfluidics

Examiner:

Group Art Unit: 1641

**INFORMATION DISCLOSURE STATEMENT**Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the references cited below are enclosed. These references are also listed on the enclosed PTO Form 1449.

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103.

Applicants do not believe any fee is due with this submission. If this belief be in error and the Patent Office determines that the fee prescribed in the relevant portion of 37 C.F.R. Section 1.97 is applicable, the undersigned attorney by his signature hereby authorizes any such fee to be debited from

Deposit Account 13-2490.

If any of the references are incomplete the Examiner is cordially invited to contact the undersigned by telephone (312) 913-0001.

US Patent Documents

1. Salatiello et al., U.S. Patent No. 4,729,862, issued July 21, 1981
2. Ekins, U.S. Patent No. 4,381,291, issued April 26, 1983
3. Klose et al., U.S. Patent No. 4,515,889, issued May 7, 1985
4. Edelmann et al., U.S. Patent No. 4,676,952, issued June 30, 1987
5. Ekins, U.S. Patent No. 4,745,072, issued May 17, 1988
6. Kopf-Sill et al., U.S. Patent No. 5,160,702, issued November 3, 1992
7. Ekins, U.S. Patent No. 5,171,695, issued December 15, 1992
8. Burtis et al., U.S. Patent No. 5,173,262, issued December 22, 1992
9. Burtis et al., U.S. Patent No. 5,242,803, issued September 7, 1993
10. Burd, U.S. Patent No. 5,409,665, issued April 25, 1995
11. Buhl et al., U.S. Patent No. 5,413,732, issued May 9, 1995
12. Tabata et al., U.S. Patent No. 5,432,009, issued July 11, 1995
13. Schembri, U.S. Patent No. 5,472,603, issued December 5, 1995
14. White, U.S. Patent No. 5,006,749, issued April 9, 1991
15. Kroy et al., U.S. Patent No. 5,252,294, issued October 12, 1993
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17. Madou et al., U.S. Patent No. 5,368,704, issued November 29, 1994
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- 28 Schembri et al., U.S. Patent No. 5,591,643, issued January 7, 1997
- 29 Burd et al., U.S. Patent No. 5,518,930, issued May 21, 1996
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**Foreign Patents Documents**

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- 43 International Patent No. WO 93/22058, published November 11, 1993
- 44 European Patent No. 417,305, published March 20, 1991
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- 46 European Patent No. 305,210, published December 8, 1993
- 47 European Patent No. 322,657, published July 5, 1989
- 48 German Patent No. 4,410,224, published September 28, 1995
- 49 European Patent No. 637367 B1, published December 10, 1997
- 50 International Patent No. WO 95/33986, published December 14, 1995

**Other Documents**

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- 76 Matsue et al., (1990), Rev. Polarogr., 36: 67
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- 80 Renoe et al., (1974), Clain. Chem., 20/8:955-960
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86 Wilding et al., (1994), Clin. Chem., 40/1: 43-47

Date: 23 April 2002

Respectfully submitted,  
  
**McDonnell Bochnen Hubert & Berghoff**

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Kevin E. Noonan, Ph.D.  
Reg. No. 35,303



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
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Examiner:

Group Art Unit: 1641

TRANSMITTAL LETTER

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:

- a) Information Disclosure Statement;
- b) PTO Form 1449 and cited references;
- c) Return postcard

2. With respect to fees:

- a) No fees are required
- b) Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490. A duplicate copy of this letter is enclosed.

3. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1, are being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231 on April 23, 2002.

Date: 23 April 2002

Respectfully submitted,

  
Kevin E. Noonan, Ph.D.  
Registration No. 35,303

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McDonnell Boehnen Hulbert & Berghoff  
Law Offices

## Fax transmittal

To Examiner Brian Sines Date October 1, 2003  
Company United States Patent and Trademark  
Office, Group Art Unit 1743 From Kevin E. Noonan  
Fax 1-703-746-3981 Direct 312-913-2145  
Phone Email Noonan@mbhb.com  
Pages, 14 C/M  
with cover  
Re

Patent Application Serial No. 09/989,582  
Attorney Docket No. 95,1408-JJJ

MESSAGE: Please deliver to Examiner Sines as soon as possible.

Responsive to an informal telephone interview initiated by Examiner Sines, Applicants transmit herewith a copy of an Information Disclosure Statement and corresponding PTO Form 1449, previously submitted on April 23, 2002. Applicants understand that Examiner Sines has considered the references contained in the IDS, but that the IDS paper and accompanying 1449 form are missing from the file. Applicants respectfully ask the Examiner to initial the 1449 form for all references he considered, and send a copy to them, either with the Notice of Allowance or by separate facsimile to (312) 913-0002.

Certificate of Facsimile Transmission: The undersigned attorney hereby certifies by his signature below that the Information Disclosure Statement was sent by facsimile to the above-identified facsimile number on Wednesday the 1<sup>st</sup> day of October 2003.

  
Respectfully submitted,

Kevin E. Noonan  
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